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* * * * * STN Columbus * * * * *

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=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 4 MAY 2006 HIGHEST RN 882974-03-0

DICTIONARY FILE UPDATES: 4 MAY 2006 HIGHEST RN 882974-03-0

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*
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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s hydroxyethyl sarcosine

280115 HYDROXYETHYL

1486 SARCOSINE

L1 1 HYDROXYETHYL SARCOSINE

(HYDROXYETHYL (W) SARCOSINE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.96	10.17

\$%^STN;HighlightOn= ***;HighlightOff=*** ;

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- NEWS 2 "Ask CAS" for self-help around the clock
- NEWS 3 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
- NEWS 4 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
- NEWS 5 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
- NEWS 6 JAN 17 Pre-1988 INPI data added to MARPAT
- NEWS 7 JAN 17 IPC 8 in the WPI family of databases including WPIFV
- NEWS 8 JAN 30 Saved answer limit increased
- NEWS 9 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
- NEWS 10 FEB 22 The IPC thesaurus added to additional patent databases on STN
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- NEWS 12 FEB 27 New STN AnaVist pricing effective March 1, 2006
- NEWS 13 FEB 28 MEDLINE/LMEDLINE reload improves functionality
- NEWS 14 FEB 28 TOXCENTER reloaded with enhancements
- NEWS 15 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
property data
- NEWS 16 MAR 01 INSPEC reloaded and enhanced
- NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
- NEWS 18 MAR 08 X.25 communication option no longer available after June 2006
- NEWS 19 MAR 22 EMBASE is now updated on a daily basis
- NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
- NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL
- NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered
- NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
- NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display
in MARPAT
- NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during
second quarter; strategies may be affected
- NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
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* * * * *

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FILE COVERS 1907 - 5 May 2006 VOL 144 ISS 20
FILE LAST UPDATED: 4 May 2006 (20060504/ED)

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=> s l1 and metal?

16 L1

2394816 METAL?

L2 5 L1 AND METAL?

=> d all 1-5

L2 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1988:167544 CAPLUS
DN 108:167544
ED Entered STN: 13 May 1988
TI Asymmetric synthesis of new bicyclic phenylboronic esters containing configurationally stable chiral nitrogen and boron
AU Mancilla, Teresa; Contreras, Rosalinda
CS Cent. Invest. Estud. Avanzados, IPN, Mexico City, 07000, Mex.
SO Journal of Organometallic Chemistry (1987), 321(2), 191-8
CODEN: JORCAI; ISSN: 0022-328X
DT Journal
LA English
CC 29-4 (Organometallic and Organometalloidal Compounds)
OS CASREACT 108:167544
GI

/ Structure 1 in file .gra /

AB The reaction between phenylboronic acid and N-alkyl-N-(ethyl-2-hydroxy)aminoacetic acids leads stereoselectively to stable bicyclic esters I (R = H, Me, R1 = Me, CHMe2, R2, R3 = H, Ph) contg. chiral boron and nitrogen atoms.
ST phenylboronic acid cyclocondensation aminoacetic acid; bicyclic phenylboronic ester prepn stereochem; mol structure bicyclic phenylboronic ester NMR
IT Stereochemistry
(of cyclocondensation of phenylboronic acid with chiral (hydroxyethyl)aminoacetic acid)
IT Cyclocondensation reaction
(of phenylboronic acid with chiral (hydroxyethyl)aminoacetic acid, bicyclic phenylboronic ester from)
IT Heterocyclic compounds
RL: RCT (Reactant); RACT (Reactant or reagent)
(***metallo*** -, bicyclic phenylboronic ester)
IT 98-80-6, Phenylboronic acid
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation reaction of, with (hydroxyethyl)aminoacetic acid, bicyclic phenylboronic ester from)

IT ***26294-19-9*** 112475-70-4 112475-71-5 112531-70-1 112531-71-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation reaction of, with phenylboronic acid, by cyclic
phenylboronic ester from)
IT 112475-72-6P 112475-73-7P 112475-74-8P 112490-45-6P 112490-46-7P
112490-47-8P 112531-72-3P 112571-76-3P 112571-82-1P 112571-83-2P
112571-84-3P 112571-85-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

L2 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1984:446337 CAPLUS
DN 101:46337
ED Entered STN: 04 Aug 1984
TI Thermographic copying paper
PA Pentel Co., Ltd., Japan
SO Jpn. Tokkyo Koho, 3 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
IC B41M005-18
CC 74-7 (Radiation Chemistry, Photochemistry, and Photographic and Other
Reprographic Processes)

FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 58008357 B4 19830215 JP 1975-11719 19750128
PRAI JP 1975-11719 19750128

CLASS
PATENT NO. CLASS PATENT FAMILY CLASSIFICATION CODES

JP 58008357 IC B41M005-18
IPCI B41M0005-18

GI

/ Structure 2 in file .gra /

AB A thermog. copying paper is obtained by coating a transparent or
semitransparent support with a 1-amino-3-iminoisoindolenine deriv. I [R,
R1 = H, halo, alkoxy, alkyl; X = acid (may be absent)] together with a
metal salt of an org. acid or a ***metal*** complex to form a
heat-sensitive layer.
ST thermog aminoiminoisoindolenine; isoindoline aminoimino thermog
IT Thermography
(heat-sensitive materials for, contg. aminoiminoisoindolenine deriv.)
IT Vinyl acetal polymers
RL: USES (Uses)
(butyrals, thermog. copying compns. contg.)
IT 50-81-7, uses and miscellaneous 57-13-6, uses and miscellaneous
110-80-5 123-31-9, uses and miscellaneous 141-43-5D, cobalt complexes
3468-11-9 7440-48-4D, aminoethanol complexes 7440-50-8D,
(hydroxyethyl)methylglycine complexes 9002-89-5 9004-57-3 13479-55-5
26294-19-9D, copper complexes 80419-19-8 90704-37-3
RL: USES (Uses)
(thermog. copying compns. contg.)

L2 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1974:72015 CAPLUS
DN 80:72015
ED Entered STN: 12 May 1984
TI Dyeing of fibrous substance
IN Inagaki, Shoji; Takagi, Kunihiko
PA Dainippon Ink and Chemicals, Inc.
SO Jpn. Tokkyo Koho, 3 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
IC D06P; C09B
CC 39-7 (Textiles)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 48006428	B4	19730226	JP 1969-84680	19691024

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	JP 48006428	IC	D06P; C09B
		IPCI	D06P; C09B

AB Textiles were dyed yellow and green shades by treatment with 3-iminoisoindolenines (I, X = H, MeO, or halogen; Y = alkoxy, amino, or hydroxyethyl) contg. reactive groups in the 1-position and an aromatic primary amine capable of bonding the reactive group and heating in the presence or absence of a ***metal*** compd. capable of coordinate-bonding the phthalocyanine nucleus. Thus, 32 ml soln. prepd. from 50 g 1-amino-3-iminoisoindolenine, 8.0 g polyethylene glycol nonylphenyl ether, 24.0 g formamide, and 130 ml H₂O was mixed with a soln. of 0.4 g o-tolidine in 40 ml MeOH and a soln. of 0.45 g Cu 2-hydroxyethylsarcosine in 100 ml H₂O contg. a small amt. of NH₃. Cotton fabric pretreated with water was immersed in the soln., squeezed to 80-85% soln. pick-up, dried 7 min at 70-80.deg., heated 5 min at 140-5.deg., boiled, washed, dried, and pressed.

ST dyeing cotton textile iminoisoindolenine; indolenine deriv dyeing textile; phthalocyanine dyeing cotton textile

IT Amines, uses and miscellaneous

RL: USES (Uses)

(arom., cotton textile dyeing in presence of, contg. iminoisoindolenines and ***metal*** compds.)

IT Dyeing

(of cotton textiles, by arom. primary amines, iminoisoindolenines and ***metal*** compds.)

IT 7440-50-8D, Copper, complexes with 2-hydroxyethyl sarcosine

26294-19-9D, Glycine, N-(2-hydroxyethyl)-N-methyl-, copper complexes

RL: USES (Uses)

(cotton textile dyeing in presence of, contg. arom. primary amines and iminoisoindolenine)

IT 3468-11-9

RL: USES (Uses)

(cotton textile dyeing in presence of, contg. arom. primary amines and ***metal*** compds.)

IT 119-93-7

RL: USES (Uses)

(cotton textile dyeing in presence of, contg. iminoisoindolenines and ***metal*** compds.)

L2 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1973:466815 CAPLUS

DN 79:66815

ED Entered STN: 12 May 1984

TI Physicochemical study of some hydroxyamino acids and their chelates with transition cations

AU Frezou, Claude; Vieles, Pierre; Galsomias, Jacqueline; Bonniol, Alain

CS Lab. Chim. Gen., Univ. II Montpellier, Montpellier, Fr.

SO Journal de Chimie Physique et de Physico-Chimie Biologique (1973), 70(5), 861-3

CODEN: JCPBAN; ISSN: 0021-7689

DT Journal

LA French

CC 34-2 (Synthesis of Amino Acids, Peptides, and Proteins)

AB A comparative potentiometric study was made of 4 amino acids, (HOCH₂)-, CNHCHRCO₂H and HOCH₂CH₂NMeCHRCO₂H (R = H, Me), in chelation with several transition ***metals***; acidity consts. and formation consts. were measured at 0.1 ionic strength. All compds. were isolated in the solid state and their ir spectra were examd.

ST acid hydroxyamino chelation; amino acid hydroxy chelation

IT Transition ***metals***, compounds

RL: RCT (Reactant); RACT (Reactant or reagent)

(chelates with hydroxyamino acids, formation consts. for)

IT Formation constant and Stability constant

(of hydroxyamino acid transition ***metal*** complexes)

IT Ionization in liquids

(of hydroxyamino acids and their transition ***metal*** complexes)

IT Chelation
 (of hydroxyamino acids with transition ***metals*** , formation
 consts. for)
 IT 14701-22-5, reactions 15158-11-9, reactions 16065-83-1, reactions
 22541-53-3, reactions 23713-49-7, reactions
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (chelation of, with hydroxyamino acids, formation consts. for)
 IT 5704-04-1 ***26294-19-9*** 29391-69-3 38254-59-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (chelation of, with transition ***metals*** , acidity consts. and
 formation consts. for)

L2 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1962:17316 CAPLUS

DN 56:17316

OREF 56:3224a-d

ED Entered STN: 22 Apr 2001

TI Chemical plating of copper on ***metallic*** surfaces

IN Lukes, Robert M.

DT Patent

LA English

CC 20 (Ferrous Metals and Alloys)

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2996408		19610815	US 1958-725452	19580331

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
US 2996408	IPCR	C23C0018-31 [I,C]; C23C0018-40 [I,A]
	NCL	427/304.000; 106/001.260; 205/167.000

AB Bright, adherent Cu coatings up to at least 4 mils thick are formed on
 catalytic ***metallic*** surfaces by immersion in an aq. soln. of pH
 10-14 and contg. HCHO and a Cu++ complex of an alkanolaminoacetic acid at
 15-35.degree.. The plating rate is 0.05-1.0 mil/hr. A wetting agent is
 desirable. Surfaces on which such deposits are formed include Cu, Ni, and
 their alloys, Fe, steel, Ag, and noble ***metals***. Nonmetallic
 surfaces are first roughened and then flash-coated with a sensitizing film
 by some method such as treatment with an acid SnCl2 soln. followed by a
 soln. of a Pd or Ag salt. The Cu may be added to the plating soln. as
 CuSO4 or other cupric salt, the molar concn. of Cu being preferably
 0.05-0.2, and at least 0.2 mole HCHO should be present per 0.1 mole Cu.
 NaOH is the preferred base, and the complexing agent is preferably the Na
 salt of an acid having the formula $R_pN(CH_2CO_2H)_n[CH_2CH(R')OH]_m$, where m is
 1-2, p is 0-1, R is a hydrocarbon radical having 1-10 C atoms or
 $CH_2CH_2N(CH_2CO_2H)[CH_2CH(R')OH]$, and R' is H or Me. This agent, which
 prevents pptn. of Cu by OH, but not its redn. to ***metal***, must be
 present in a sufficient amt. to provide at least 2 alkanolaminoacetic acid
 groups per mole Cu. H is evolved in the redn. by HCHO and the wetting
 agent minimizes its interference with uniformity of the coating. A
 suitable soln. was 0.1M in CuSO4, 0.8M in NaOH, 0.3M in HCHO, and 0.2M in
 N,N-bis(2-hydroxyethyl)glycine, Cf. CA 53, 9996b.

IT Coating(s)
 (of ***metals*** , with Cu from solns. contg. HCHO and Cu complex of
 alkanolaminoacetic acid)

IT 7440-02-0, Nickel
 (coating of, with Cu from solns. contg. HCHO and Cu complex of
 ethanolaminoacetic acid)

IT 7440-50-8, Copper
 (coating with, on ***metals*** in soln. contg. HCHO and Cu complex
 of alkanolaminoacetic acid)

IT 150-39-0, Glycine, N-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenedi-
 (in copper plating solns)

IT 150-25-4, Glycine, N,N-bis(2-hydroxyethyl)- ***26294-19-9*** ,
 Sarcosine, N-(2-hydroxyethyl)-
 (in copper plating solns.)

IT 56-40-6, Glycine
 (N-(hydroxyalkyl) derivs., in Cu plating solns.)

=> d his

FILE 'REGISTRY' ENTERED AT 09:17:58 ON 05 MAY 2006
L1 1 S HYDROXYETHYL SARCOSINE

FILE 'CAPLUS' ENTERED AT 09:18:22 ON 05 MAY 2006
L2 5 S L1 AND METAL?

=> log y

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FULL ESTIMATED COST	17.76	27.93

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like to better understand what you find useful. Please take
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If you provide us with your name, login ID, and e-mail address, you
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will be kept confidential and will help us make future improvements
to STN.

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Thank you in advance for your participation.

* * * * * STN Columbus * * * * *

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DICTIONARY FILE UPDATES: 4 MAY 2006 HIGHEST RN 882974-03-0

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TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

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predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s ethyl aceate butyrate

7320691 ETHYL

13 ETHYLS

7320691 ETHYL

(ETHYL OR ETHYLS)

3 ACEATE

8036 BUTYRATE

3 BUTYRATES

8036 BUTYRATE

(BUTYRATE OR BUTYRATES)

L1 0 ETHYL ACEATE BUTYRATE
(ETHYL(W)ACEATE(W) BUTYRATE)

=> s ethyl acetate butyrate
7320691 ETHYL
13 ETHYLS
7320691 ETHYL
(ETHYL OR ETHYLS)
522411 ACETATE
451 ACETATES
522411 ACETATE
(ACETATE OR ACETATES)
8036 BUTYRATE
3 BUTYRATES
8036 BUTYRATE
(BUTYRATE OR BUTYRATES)
L2 0 ETHYL ACETATE BUTYRATE
(ETHYL(W) ACETATE(W) BUTYRATE)

=> d his

(FILE 'HOME' ENTERED AT 14:00:23 ON 05 MAY 2006)

FILE 'REGISTRY' ENTERED AT 14:00:29 ON 05 MAY 2006

L1 0 S ETHYL ACEATE BUTYRATE
L2 0 S ETHYL ACETATE BUTYRATE

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.00	29.21

STN INTERNATIONAL LOGOFF AT 14:00:56 ON 05 MAY 2006